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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/420,635	10/21/1999	WERNER JUENGLING	MI22-1243	3072
21567 7	590 12/12/2001			
WELLS ST JOHN ROBERTS GREGORY AND MATKIN SUITE 1300 601 W FIRST AVENUE			EXAMINER	
			TSAI, H JEY	
SPOKANE, WA 992013828			ART UNIT	PAPER NUMBER
			2812	177
			DATE MAILED: 12/12/2001	

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)				
Office Action Summary	09/420,635	JUENGLING, WERNER				
	Examiner	Art Unit				
The MAILING DATE of this communication appe	H. Jey Tsai ears on the cover sheet with the	2812 e correspondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period wi - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	6(a). In no event, however, may a reply be within the statutory minimum of thirty (30) ill apply and will expire SIX (6) MONTHS from the application to become ABANDO	e timely filed days will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).				
1)⊠ Responsive to communication(s) filed on <u>26 S</u>	entember 2001					
	s action is non-final.					
3) Since this application is in condition for allowa		prosecution as to the merits is				
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) \boxtimes Claim(s) <u>51,52 and 54-69</u> is/are pending in the	application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>51,52 and 54-69</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:	F					
1.☐ Certified copies of the priority documents	have been received.					
2. Certified copies of the priority documents		ation No				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received.						
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>15</u>	5) Notice of Inform	nary (PTO-413) Paper No(s) al Patent Application (PTO-152)				
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Claim Rejections - 35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 51-52, and 54-69 are rejected under 35 U.S.C. § 103 as being unpatentable over Koh et al. 5,686,337 or Chan 5,627,094, or Rosner 5,496,757 or Kim 5,403,767, all are previously cited, or Summerfelt 5,619,393 cited by applicant.

Koh et al. substantially discloses a method of forming an integrated circuit semiconductor device, which includes:

etching insulating layer 30 to form a capacitor container in first etching step fig. 3,

etching insulating layer 30 to form a capacitor container in second etching step, fig. 5,

forming an insulative partition 30A between the capacitor container with anisotropic etching, fig. 7.

Chan et al. et al. substantially discloses a method of forming an integrated circuit semiconductor device, which includes:

etching insulating layer 20 to form a capacitor container in first etching step fig. 2b,

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etching insulating layer 20 to form a capacitor container in second etching step, fig. 2c,

forming an insulative partition 20b between the capacitor container with anisotropic etching, figs. 2c-2e.

Rosner substantially discloses a method of forming an integrated circuit semiconductor device, which includes:

etching insulating layer 4 to form a capacitor container in first etching step fig. 3,

etching (removing) insulating layer 4 to form a capacitor container in second etching step, figs. 4-5,

forming an insulative partition 81 between the capacitor container fig. 6.

Kim also substantially teaches etching insulating layer 7 to form a capacitor container in first etching step fig. 1C,

etching (removing) insulating layer 7A to form a capacitor container in second etching step, figs. 1E,

forming an insulative partition 9A between the capacitor container figs. 1E-1F.

Summerfelt et al. substantially teaches etching insulating layer 70 to form a capacitor container in first etching step figs. 25+,

etching (removing) insulating layer 70 to form a capacitor container in second etching step, figs. 1E,

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forming an insulative partition 56 between the capacitor container.

Conclusion

Applicant's arguments filed Sept. 26. 2001 have been fully considered but they are not persuasive. Koh et al. clearly teaches an insulating layer formed between two capacitors after second etching. Chen clearly teaches that forming an insulative partition 20b between the capacitor container with anisotropic etching steps, figs. 2c-2e. Rosner clearly teaches that forming an insulative partition 81 between the capacitor container in two etching steps, fig. 6. Kim clearly teaches that forming an insulative partition 9A between the capacitor container in two etching steps. figs. 1E-1F.

Any inquiry of a general nature or clerical matters or relating to the status of this application or proceeding should be directed to the Group customer service whose telephone number is (703) 306-3329 and Fax number (703) 306-5515. Group receptionist telephone number 703-308-0956.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to H. Jey Tsai whose telephone number is (703) 308-1374. The examiner can normally be reached on from 7:00 Am to 4:00 Pm., Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling can be

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reached on (703) 308-3325. The fax phone number for this Group is (703) 305-3431.

hjt

12/10/01

H. Jey Tsai

Primary Examiner

Patent Examining Group 2800

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